

Title (en)
CUTTING-OFF TOOL.

Title (de)
STECHDREHWERKZEUG.

Title (fr)
OUTIL A TRONCONNER.

Publication
EP 0454824 B1 19940309 (DE)

Application
EP 90917089 A 19901117

Priority
DE 8913805 U 19891123

Abstract (en)
[origin: CA2045634A1] A groove cutter has a groove cutting edge that is inclined at a lead angle (K). The groove cutting edge has a hollowed-out center region between end regions on both sides, and connection cutting edges provide transitions between the center region and the end regions. The connection cutting edges have different lengths and are disposed with respect to one another at a flank angle (.delta.). The groove cutter also has a cutting edge corner that leads in a groove cutting direction, along with a cutting edge corner that trails in the groove cutting direction. One of the connection cutting edges is disposed adjacent to the leading cutting edge corner and forms an inclination angle (.alpha.) with respect to an adjacent end region cutting edge. This angle of inclination (.alpha.) is greater than an oppositely directed inclination angle (.beta.) between the other connection cutting edge and another end region cutting edge, which trails in the groove cutting direction.

IPC 1-7
B23B 27/04

IPC 8 full level
B23B 27/04 (2006.01); **B23B 29/04** (2006.01)

CPC (source: EP US)
B23B 27/045 (2013.01 - EP US); **B23B 29/043** (2013.01 - EP US); **Y10T 407/245** (2015.01 - EP US); **Y10T 407/25** (2015.01 - EP US)

Cited by
US9649693B2; WO2012119168A1

Designated contracting state (EPC)
CH DE ES FR GB GR IT LI SE

DOCDB simple family (publication)
DE 8913805 U1 19910321; CA 2045634 A1 19910524; CA 2045634 C 19970204; DE 59004939 D1 19940414; EP 0454824 A1 19911106; EP 0454824 B1 19940309; ES 2051028 T3 19940601; JP H03505430 A 19911128; JP H07106484 B2 19951115; RU 1836194 C 19930823; US 5137396 A 19920811; WO 9108071 A1 19910613

DOCDB simple family (application)
DE 8913805 U 19891123; CA 2045634 A 19901117; DE 59004939 T 19901117; DE 9000883 W 19901117; EP 90917089 A 19901117; ES 90917089 T 19901117; JP 51573490 A 19901117; SU 5001086 A 19910722; US 68859391 A 19910627